

<p>B8-22910/34 MITSUBISHI BAYON KN 12.01.87-P-00453 (16.07.88) C081-67</p> <p>The compoen. is characterized in that poly-beta-hydroxybutyrate is added to crystalline said. polyester resin.</p> <p>USE/ADVANTAGE</p> <p>The compoen. is useful for preparing film, fibre, heat resistant article, tube, openers etc. Through incorporation of poly-beta-hydroxybutyrate, it has a high crystallization speed, that is pref. for preparing a product by fixing the shape or dimension through crystallizing the moulding after moulding with low temp., mould of plastic fabrication.</p> <p>EXAMPLE</p> <p>[Prepn. of poly-beta-hydroxybutyrate]. A culture liquid contg. 0.3 g of Alcaligenes entrophus were put in one litre of culture liquid contg. glucose (50 g/l) ammonium nitrate (1 g/l) potassium secondary phosphate (1 g/l)</p>	<p>A23 D16</p> <p>MTR 12.01.87 *J6 3172-16-762</p> <p>A(3-C, 5-E1A, 5-E2, 7-A3JA) D(5-C)</p>	<p>magnesium sulphate D.5 g/l) calcium chloride (0.11 g/l) ferrous sulphate (0.015 g/l) sodium molybdate (0.025 g/l) and sodium chloride (0.4 g/l) and cultivated for 48 hrs. in mini-jar-fermenter. Microorganism was isolated by centrifugation, washed with water and acetone, and then extracted by chloroform. The yield was regulated by adding hexane and dried, so that 7.8 g of poly-beta-hydroxybutyrate was obtid. It was optically active and had average mol. wt. of about 1,800,000.</p> <p>[Prepn. of resin compoen.]. Dimethyl MA-521* (RTM: poly ethylmethacrylate, intrinsic viscosity = 0.72) (100 pts. wt and poly-beta-hydroxybutyrate 1 pts. wt) were mixed up at 110°C. C taking 12 hrs. or more, and then melt mixed using extruder at cylinder temp. of 235 deg. C. (SppW19-D No9/6).</p>
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